

Message

From: Tonnesen, Gail [Tonnesen.Gail@epa.gov]
Sent: 6/14/2017 6:35:49 PM
To: Landes - CDPHE, Scott [scott.landes@state.co.us]; Irina Petropavlovskikh - NOAA Affiliate [irina.petro@noaa.gov]
CC: Andrew Langford [andrew.o.langford@noaa.gov]; Bryan Johnson [Bryan.Johnson@noaa.gov]; Patrick Cullis [patrick.cullis@noaa.gov]; Chance Sterling [chance.sterling@noaa.gov]; Audra McClure [audra.mcclure@noaa.gov]; barkley_sive@nps.gov; Brad Pierce [brad.pierce@noaa.gov]; Owen Cooper - NOAA Affiliate [owen.r.cooper@noaa.gov]; Payton, Richard [Payton.Richard@epa.gov]
Subject: RE: Elevated ozone measurements at mountain site on Monday and Tuesday

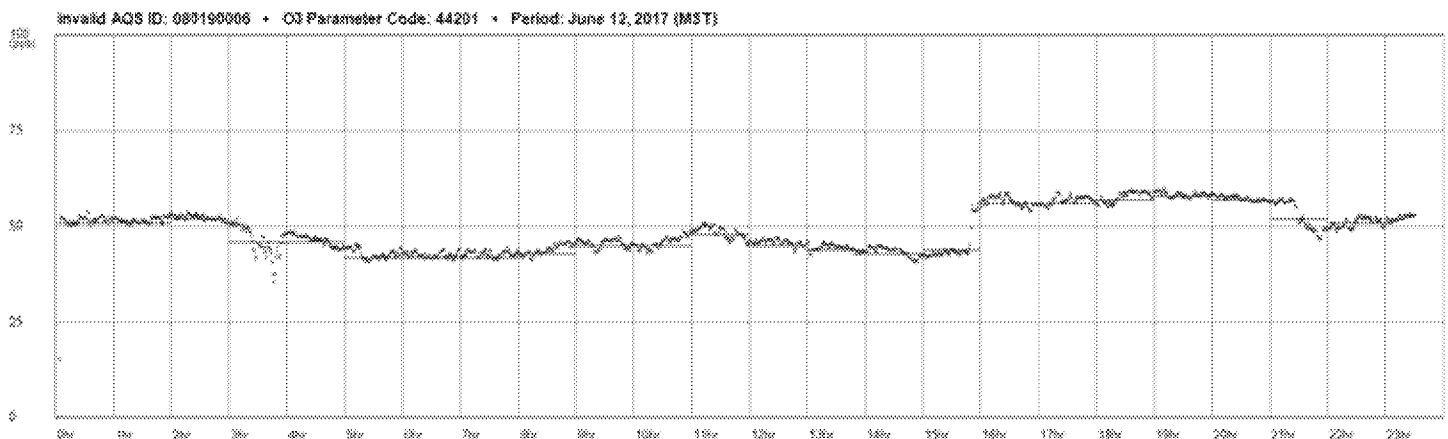
I looked at AirNow, there were high O3 levels (hourly values in the 60s and 70s) in western CO on Monday evening, and also at Gothic and RMNP on Tuesday, but I did not see any values that exceeded the NAAQS.

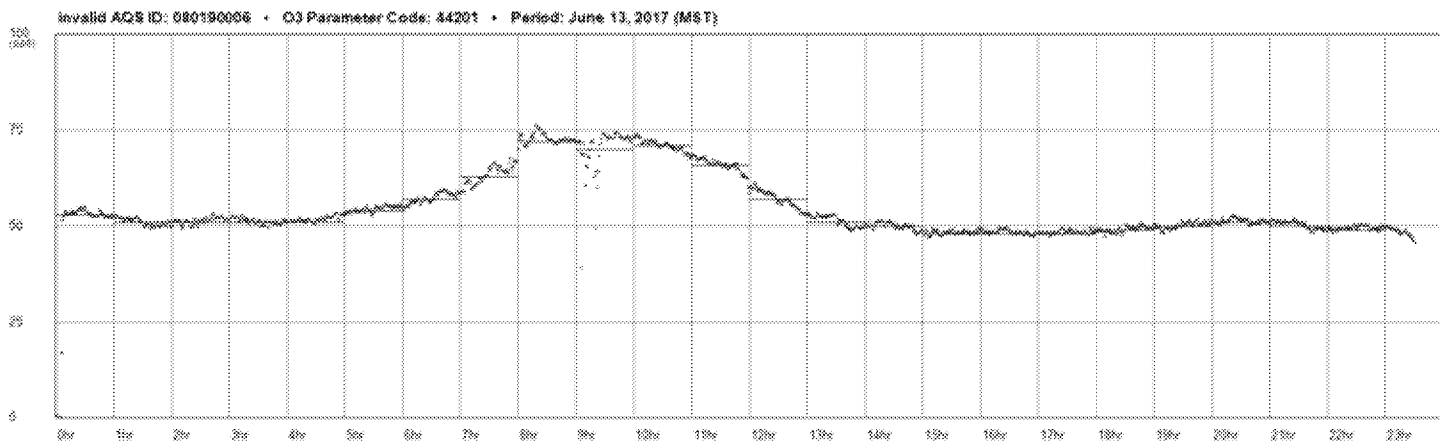
I'm looking for topics for the monthly SI call next Tuesday – unless you have suggestions, I'm thinking that we could skip the call next week.

Thanks,
Gail
303-312-6113

From: Landes - CDPHE, Scott [mailto:scott.landes@state.co.us]
Sent: Wednesday, June 14, 2017 12:17 PM
To: Irina Petropavlovskikh - NOAA Affiliate <irina.petro@noaa.gov>
Cc: Andrew Langford <andrew.o.langford@noaa.gov>; Bryan Johnson <Bryan.Johnson@noaa.gov>; Patrick Cullis <patrick.cullis@noaa.gov>; Chance Sterling <chance.sterling@noaa.gov>; Audra McClure <audra.mcclure@noaa.gov>; barkley_sive@nps.gov; Tonnesen, Gail <Tonnesen.Gail@epa.gov>; Brad Pierce <brad.pierce@noaa.gov>; Owen Cooper - NOAA Affiliate <owen.r.cooper@noaa.gov>
Subject: Re: Elevated ozone measurements at mountain site on Monday and Tuesday

Here's our minute data plots for Mines Peak. Similar trends to Irina's data, but not quite as dramatic of a jump in concentrations during the late afternoon/evening of 6/12.





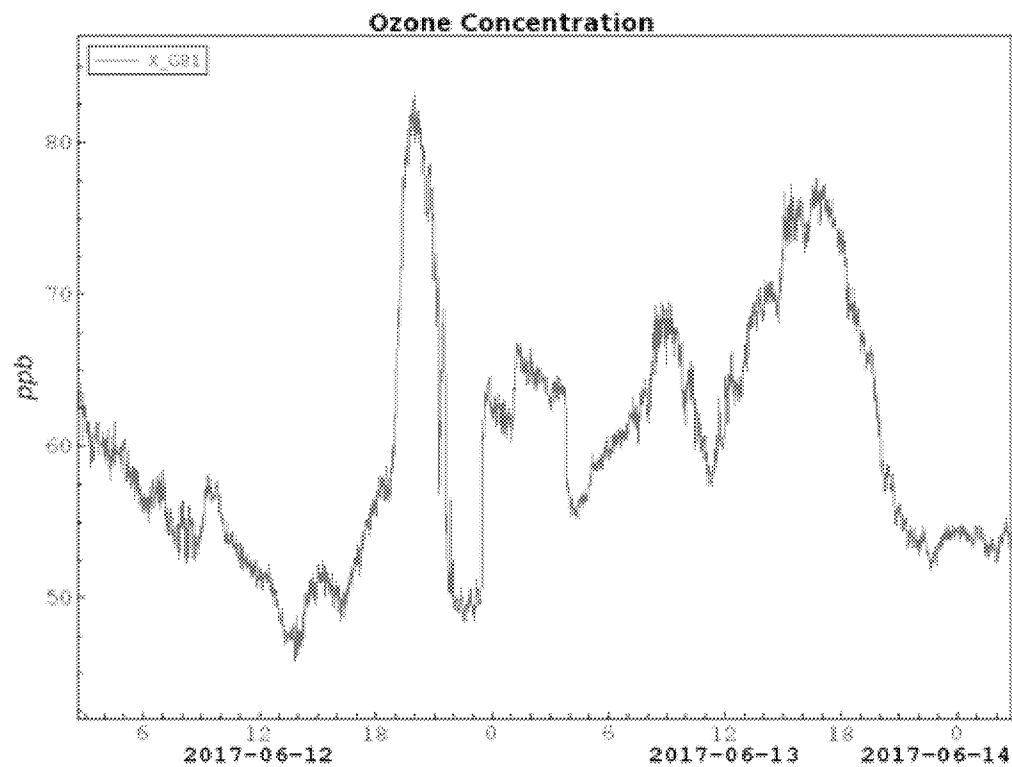
On Wed, Jun 14, 2017 at 11:27 AM, Irina Petropavlovskikh - NOAA Affiliate <irina.petro@noaa.gov> wrote:

Hi

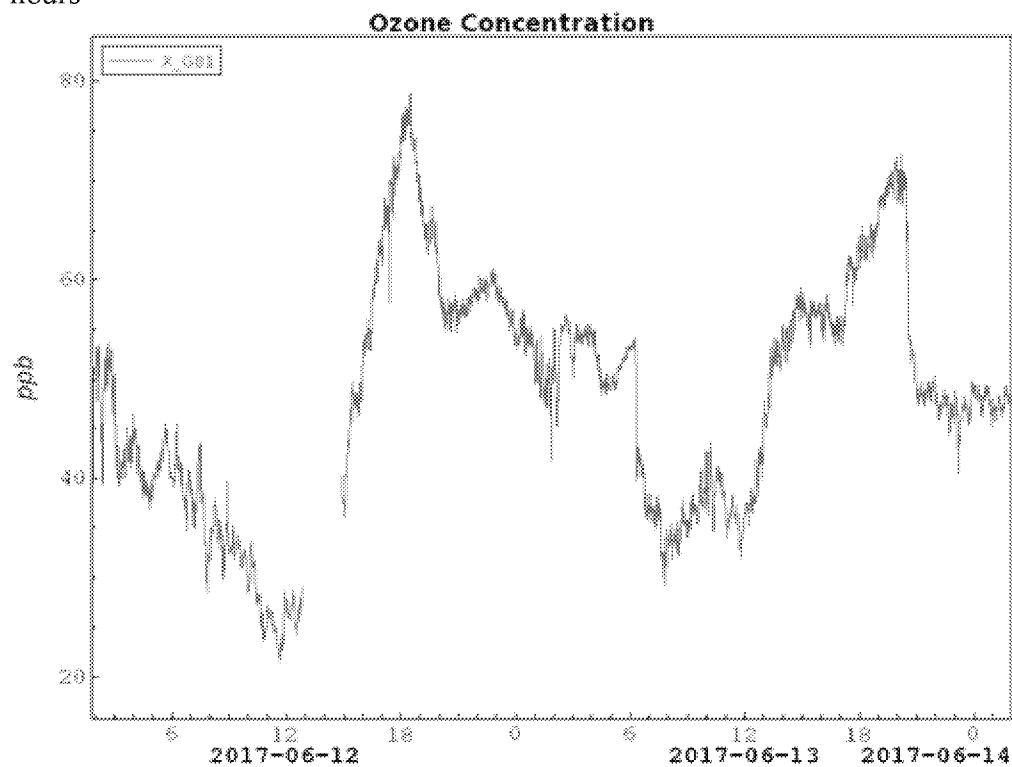
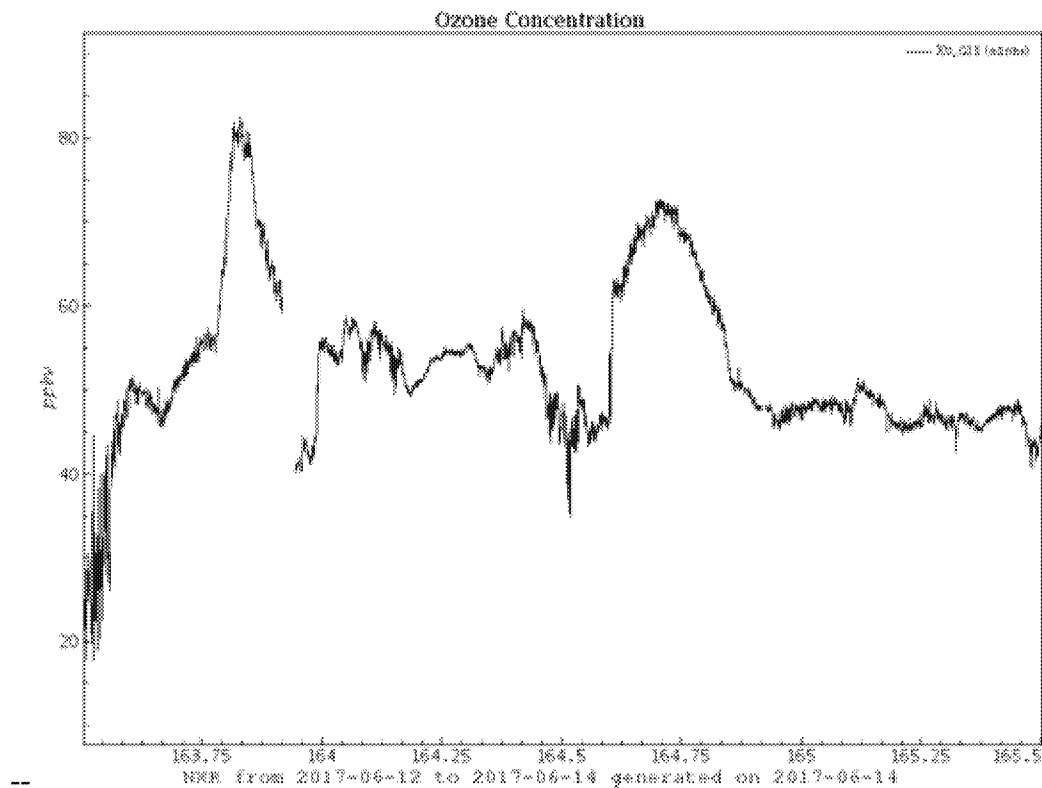
Just checked the surface ozone at Tundra and saw a couple of episodes for elevated ozone

I wonder if any of these can be related the the stratospheric ozone intrusion events that have been studied in Las Vegas by FAST-LVOS team.

Tundra Lab saw episode on Monday night reaching to 80 ppbv, and then several hours above 70 ppbv on Tuesday.



Niwot ridge - above 70 on Monday and barely above 70 on Tuesday



From the CSD website with CDPHE data plots - there are several stations above 70 ppbv on Monday - Riffle, Palisades, Paradox

I can not figure out if RMNP data were included in Monday plot.

Then on Tuesday, several stations near Colorado Springs saw elevated numbers. RMNP started on a higher levels and then dropped down in the afternoon....

We will see what would happen today, but the winds are calming down, front possibly passed through Colorado
Cheers,
irina

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